## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Harvey et al.

Application No.: Unassigned

Art Unit: Unassigned

Examiner: Unassigned

Filed:

January 4, 2002

For:

A PAPER WEB WITH PRE-FLOCCULATED FILLER INCORPORATED THEREIN

### PRELIMINARY AMENDMENT

Commissioner for Patents Washington, D.C. 20231

Dear Sir:

Prior to the examination of the above-identified patent application, please enter the following amendments.

#### **AMENDMENTS**

### IN THE TITLE:

Please amend the title to read as follows:

"A PAPER WEB WITH PRE-FLOCCULATED FILLER INCORPORATED THEREIN"

### **IN THE SPECIFICATION:**

Please amend the first paragraph on page 1 under the heading "Cross-Reference to Related Patent Applications" to read as follows:

"This application is a division of copending U.S. Patent Application No. 09/597,473, filed June 20, 2000, which is a continuation-in-part of U.S. Patent Application No. 09/173,875, filed October 16, 1998. Both parent applications are incorporated herein by reference in their entireties."

### IN THE CLAIMS:

Please cancel claims 1-13, 19-31, 35-40, 42-47, 49-54 and 56-61.

Please amend claims 14-18, 32-34, 41, 48, 55 and 62 to read as follows:

14. (Amended) A paper web prepared by a process comprising the steps of: providing a pulp slurry, said slurry containing at least about 30% by dry pulp weight of a low-grade pulp, said low-grade pulp being a pulp selected from the group consisting of a groundwood pulp, a recycled pulp, and mixtures thereof;

adding a pre-flocculated filler to said slurry; forming a paper web from said slurry; and winding said web on a reel;

said pre-flocculated filler being added to said slurry in an amount effective to provide a filler content in said web, at least a portion of said filler in said web comprising said pre-flocculated filler.

15. (Amended) The paper web according to claim 14, the process further comprising the steps of:

drying said web; and cutting said web into sheets.

16. (Amended) The paper web according to claim 15, the process further comprising the step of:

printing on said web prior to cutting said web into sheets.

17. (Amended) A newspaper prepared by a process comprising the steps of: providing a newsprint pulp slurry;

adding a pre-flocculated filler to said slurry;

forming a paper web from said slurry, said pre-flocculated filler being added to said slurry in an amount effective to provide a filler content in said web, at least a portion of said filler in said web comprising said pre-flocculated filler;

collecting said web on a reel, and in either order:

printing on said web; and cutting said web into sheets.

- 18. (Amended) The newspaper according to claim 17, wherein said web is cut into sheets after said step of printing on said web.
  - 32. (Amended) A paper web prepared by a process comprising the steps of:

providing a pulp slurry, said slurry containing at least about 30% dry pulp weight of a low-grade pulp, said low-grade pulp being a pulp selected from the group consisting of a groundwood pulp, a recycled pulp, and mixtures thereof;

adding a pre-flocculated filler to said slurry to thereby form a slurry/filler mixture; introducing said slurry/filler mixture to the headbox of a paper-making machine; depositing said slurry on a web-former; and withdrawing a paper web from said headbox;

said pre-flocculated filler being added to said slurry in an amount effective to provide a filler content in said web, at least a portion of said filler in said web comprising said pre-flocculated filler.

33. (Amended) The paper web according to claim 32, the process further comprising the steps of:

drying said web; and cutting said web into sheets.

34. (Amended) The paper web according to claim 33, the process further comprising the step of:

printing on said web prior to cutting said web into sheets.

41. (Amended) A paper web prepared by a process comprising the steps of: providing a treated slurry of coated broke, said treated slurry having been prepared by a process comprising the steps of:

providing a repulped slurry of coated broke, said slurry containing fibers and particles of coating residue;

adding a chemical flocculant to said slurry in an amount effective to form floccs of said fibers and particles of coating residue; and

applying a shearing force to said slurry, said sheering force being sufficient to limit the size of said floces to a size that is effective to enhance the rentention of said floces in a paper web; and withdrawing a paper web from said treated slurry.

48. (Amended) A paper web prepared by a process comprising the steps of: providing a treated slurry of coated broke, said treated slurry having been prepared by a process comprising the steps of:

providing a repulped slurry of coated broke, said slurry containing fibers and particles of coating residue;

adding a chemical flocculant to said slurry in an amount effective to form floccs of said fibers and particles of coating residue; and

applying a shearing force to said slurry, said sheering force being sufficient to limit the size of said floces to a size that is effective to enhance the rentention of said floces in a paper web;

adding said treated slurry to a fibrous pulp slurry to form a combined slurry; and withdrawing a paper web from said combined slurry.

55. (Amended) A paper web prepared by a process comprising the steps of: providing a treated slurry of coated broke, said treated slurry having been prepared by a process comprising the steps of:

continuously introducing a repulped slurry of coated broke and a chemical flocculant into a shear imparting device, said slurry containing fibers and particles of coating residue and said chemical flocculant being added in an amount effective to form floces of said fibers and said particles of coating residue; and

continuously withdrawing from said shear imparting device a slurry containing said floces, the shearing force imparted by said device being sufficient to limit the size of said floces to a size that is effective to enhance the retention of said floces in a paper web; and

withdrawing a paper web from said slurry.

62. (Amended) A paper web prepared by a process comprising the steps of: providing a treated slurry, said treated slurry having been prepared by a process comprising the steps of:

continuously introducing a repulped slurry of coated broke and a chemical flocculant into a shear imparting device, said slurry containing fibers and particles of coating residue and said chemical flocculant being added in an amount effective to form floccs of said fibers and said particles of coating residue; and

continuously withdrawing from said shear imparting device a slurry containing said floces, the shearing force imparted by said device being sufficient to limit the size of said floces to a size that is effective to enhance the retention of said floces in a paper web; and

adding said treated slurry to a fibrous pulp slurry to form a combined slurry; and withdrawing a paper web from said combined slurry.

## Please add the following claims:

- 63. (New) The paper web according to claim 14, wherein said low-grade pulp is present in said slurry in an amount of at least about 40%.
- 64. (New) The paper web according to claim 14, wherein said low-grade pulp is present in said slurry in an amount of at least about 50%.
- 65. (New) The paper web according to claim 14, wherein said pre-flocculated filler is selected form the group consisting of clays, lithopone, sulfate fillers, titanium pigments, talc, calcium carbonate, and gypsum.
- 66. (New) The paper web according to claim 65, wherein said pre-flocculated filler is flocculated with a flocculating agent selected from the group consisting of cationic starch derivatives and anionic starch derivatives.
- 67. (New) The paper web according to claim 66, wherein said pre-flocculated filler is flocculated with a cationic starch paste.
- 68. (New) The paper web according to claim 65, wherein said pre-flocculated filler is prepared by a process comprising the steps of:

continuously introducing an aqueous slurry of a non-flocculated paper filler material and an aqueous slurry of from 0.5 to 60% by weight of the filler material of a flocculating agent into a shear imparting device and imparting to the mixture within said device a shearing force sufficient to provide flocculated filler particles of a size adapted for use in paper making without any additional treatment and continuously removing said flocculated filler particles from the shear imparting device.

- 69. (New) The paper web according to claim 14, wherein said pulp includes groundwood pulp.
- 70. (New) The paper web according to claim 14, wherein said pre-flocculated filler is added to said slurry in an amount effective to provide a total filler content in said web of at least about 5% by weight.

- 71. (New) The paper web according to claim 14, wherein said pre-flocculated filler is added to said slurry in an amount effective to provide a total filler content in said web of at least about 7.5% by weight.
- 72. (New) The paper web according to claim 14, wherein all of the filler incorporated into said web is present as a result of said addition of said pre-flocculated filler to said slurry.
- 73. (New) The paper web according to claim 14, wherein the amount of flocculating agent in said filler ranges from about 0.5% to about 4% dry flocculant by dry weight of said filler.
- 74. (New) The paper web according to claim 32, wherein said low-grade pulp is present in said slurry in an amount of at least about 40%.
- 75. (New) The paper web according to claim 32, wherein said low-grade pulp is present in said slurry in an amount of at least about 50%.
- 76. (New) The paper web according to claim 32, wherein said pre-flocculated filler is selected form the group consisting of clays, lithopone, sulfate fillers, titanium pigments, talc, calcium carbonate, and gypsum.
- 77. (New) The paper web according to claim 76, wherein said pre-flocculated filler is flocculated with a flocculating agent selected from the group consisting of cationic starch derivatives and anionic starch derivatives.
- 78. (New) The paper web according to claim 77, wherein said pre-flocculated filler is flocculated with a cationic starch paste.
- 79. (New) The paper web according to claim 76, wherein said pre-flocculated filler is prepared by a process comprising the steps of:

continuously introducing an aqueous slurry of a non-flocculated paper filler material and an aqueous slurry of from 0.5 to 60% by weight of the filler material of a flocculating agent into a shear imparting device and imparting to the mixture within said device a shearing force sufficient to provide flocculated filler particles of a size adapted for use in paper making without

any additional treatment and continuously removing said flocculated filler particles from the shear imparting device.

- 80. (New) The paper web according to claim 32, wherein said pulp includes groundwood pulp.
- 81. (New) The paper web according to claim 32, wherein said pre-flocculated filler is added to said slurry in an amount effective to provide a total filler content in said web of at least about 5% by weight.
- 82. (New) The paper web according to claim 32, wherein said pre-flocculated filler is added to said slurry in an amount effective to provide a total filler content in said web of at least about 7.5% by weight.
- 83. (New) The paper web according to claim 32, wherein all of the filler incorporated into said web is present as a result of said addition of said pre-flocculated filler to said slurry.
- 84. (New) The paper web according to claim 32, wherein the amount of flocculating agent in said filler ranges from about 0.5% to about 4% dry flocculant by dry weight of said filler.
- 85. (New) The paper web according to claim 48, wherein said shearing force ranges from about 2800 to about  $9200 \, \text{s}^{-1}$ .
- 86. (New) The paper web according to claim 48, wherein said flocculant is selected from the group consisting of water soluble vinyl polymers, gums, polyacryamide, polyDADMAC, aluminum sulfate, mannogalactanes, and charged starch derivatives.
- 87. (New) The paper web according to claim 48, wherein said chemical flocculant is added in an amount ranging from about 0.05% to about 60% by weight of broke material in said slurry.
- 88. (New) The paper web according to claim 48, wherein said chemical flocculant is added in an amount ranging from about 5% to about 15% by weight of broke material in said slurry.

- 89. (New) The paper web according to claim 48, wherein said treated slurry is added in an amount ranging from 5% to 25% of said fibrous pulp slurry.
- 90. (New) The paper web according to claim 62, wherein said shearing force ranges from about 2800 to about  $9200 \text{ s}^{-1}$ .
- 91. (New) The paper web according to claim 62, wherein said flocculant is selected from the group consisting of water soluble vinyl polymers, gums, polyacryamide, polyDADMAC, aluminum sulfate, mannogalactanes, and charged starch derivatives.
- 92. (New) The paper web according to claim 62, wherein said chemical flocculant is added in an amount ranging from about 0.05% to about 60% by weight of broke material in said slurry.
- 93. (New) The paper web according to claim 62, wherein said chemical flocculant is added in an amount ranging from about 5% to about 15% by weight of broke material in said slurry.
- 94. (New) The paper web according to claim 62, wherein said treated slurry is added in an amount ranging from 5% to 25% of said fibrous pulp slurry.

Respectfully submitted,

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Date: January 4, 2002

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:			
Harvey	et al.		
Application No. Unassigned		Art Unit: Unassigned	
		Examiner: Unassigned	
Filed:	January 4, 2002		
For:	A PAPER WEB WITH PRE- FLOCCULATED FILLER INCORPORATED THEREIN		
AMENDMENTS TO THE CLAIMS			
1	14. (Amended) A paper web prepared by	y the a process of claim 1 comprising the	
steps of:			
providing a pulp slurry, said slurry containing at least about 30% by dry pulp weight of a			
low-grade pulp, said low-grade pulp being a pulp selected from the group consisting of a			
groundwood pulp, a recycled pulp, and mixtures thereof;			
adding a pre-flocculated filler to said slurry;			
forming a paper web from said slurry; and			
winding said web on a reel;			
said pre-flocculated filler being added to said slurry in an amount effective to provide a			
filler content in said web, at least a portion of said filler in said web comprising said pre-			
flocculat	ted filler.		
1	5. (Amended) A <u>The</u> paper web <del>prepare</del>	ed in accordance with claim 9 according to	
claim 14, the process further comprising the steps of:			
drying said web; and			
C	cutting said web into sheets.		
		ed in accordance with according to claim	
15, wherein said the process includes further comprising the step of:			
printing on said web prior to cutting said web into sheets.			

17. (Amended) A process for preparing a newspaper, the prepared by a process comprising the steps of:

providing a newsprint pulp slurry;

adding a pre-flocculated filler to said slurry;

forming a paper web from said slurry, said pre-flocculated filler being added to said slurry in an amount effective to provide a filler content in said web, at least a portion of said filler in said web comprising said pre-flocculated filler;

collecting said web on a reel, and in either order:

printing on said web; and

cutting said web into sheets.

- 18. (Amended) A process The newspaper according to claim 17, wherein said web is cut into sheets after said step of printing on said web.
- 32. (Amended) A paper web prepared by the <u>a</u> process of claim 19 comprising the <u>steps of:</u>

providing a pulp slurry, said slurry containing at least about 30% dry pulp weight of a low-grade pulp, said low-grade pulp being a pulp selected from the group consisting of a groundwood pulp, a recycled pulp, and mixtures thereof;

adding a pre-flocculated filler to said slurry to thereby form a slurry/filler mixture;

introducing said slurry/filler mixture to the headbox of a paper-making machine;

depositing said slurry on a web-former; and

withdrawing a paper web from said headbox;

said pre-flocculated filler being added to said slurry in an amount effective to provide a filler content in said web, at least a portion of said filler in said web comprising said pre-flocculated filler.

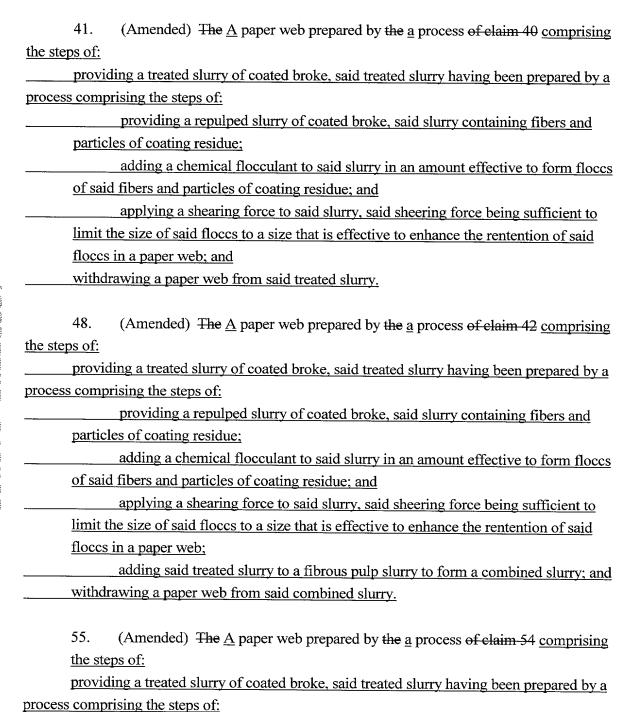
33. (Amended) A <u>The</u> paper web prepared in accordance with claim 27 according to claim 32, the process further comprising the steps of:

drying said web; and

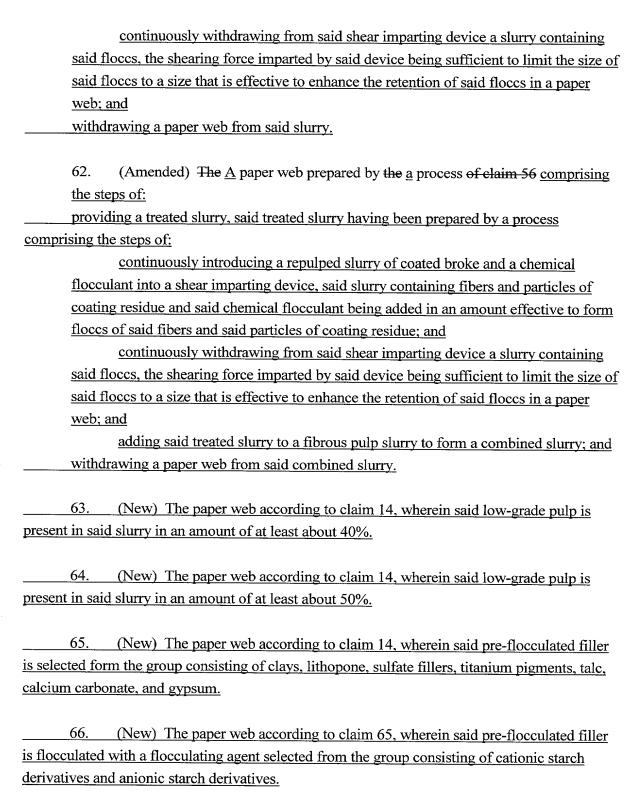
cutting said web into sheets.

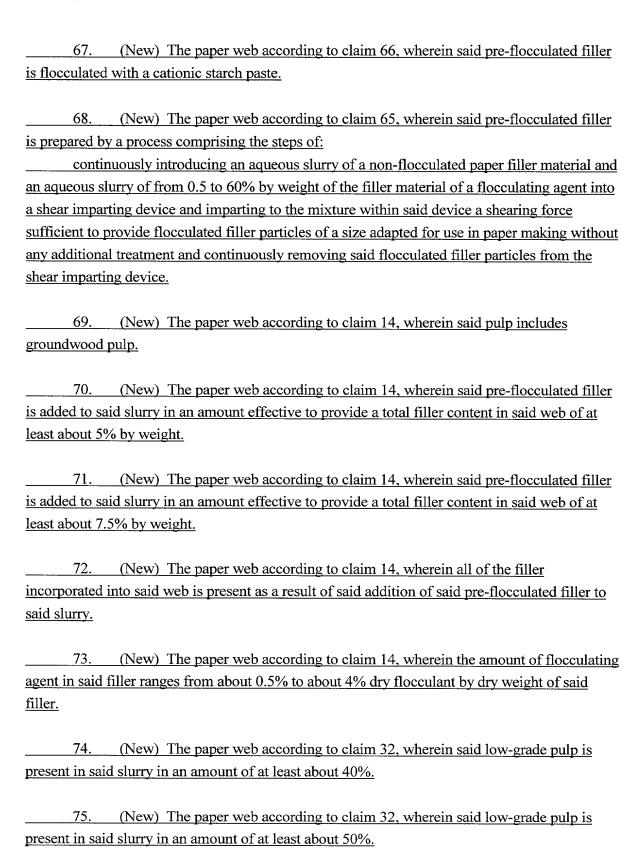
34. (Amended) A <u>The</u> paper web prepared in accordance with according to claim 33, wherein said process includes the process further comprising the step of:

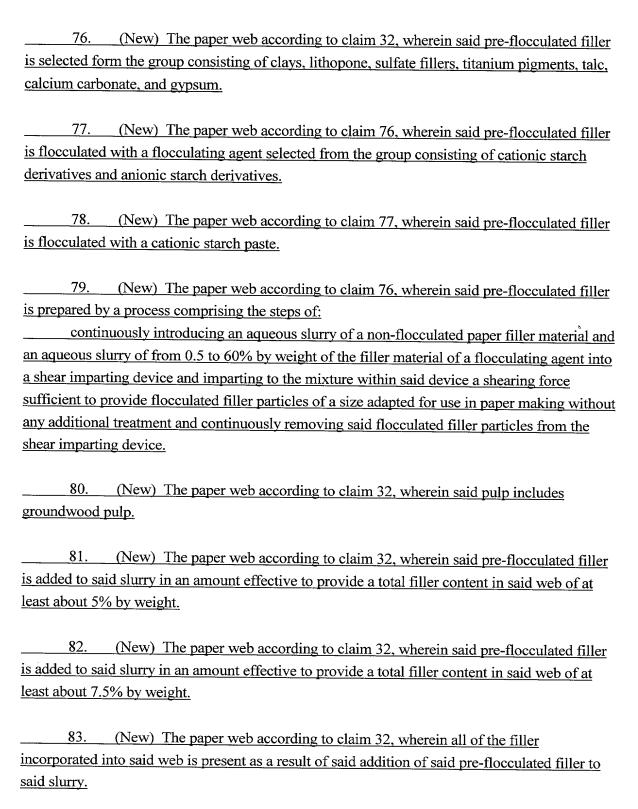
printing on said web prior to cutting said web into sheets.

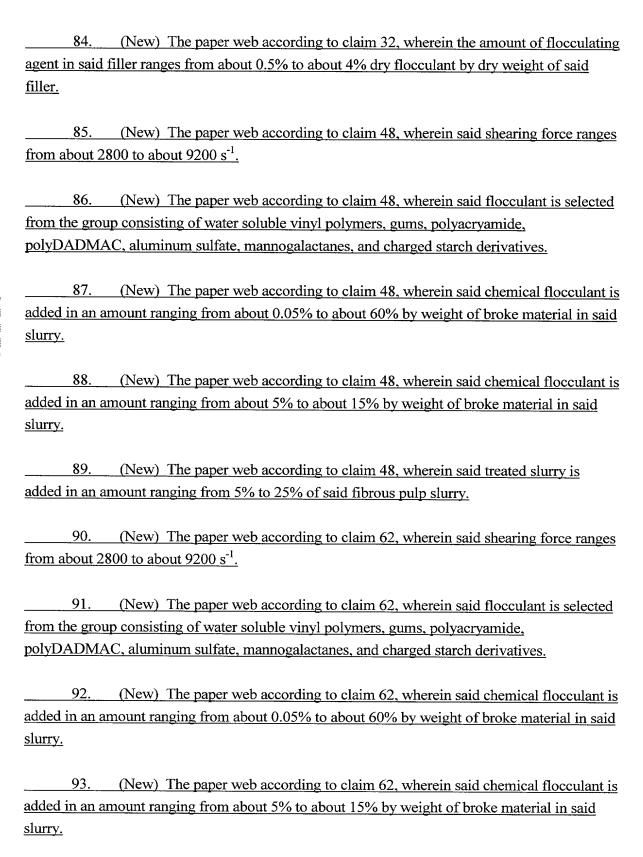


continuously introducing a repulped slurry of coated broke and a chemical flocculant into a shear imparting device, said slurry containing fibers and particles of coating residue and said chemical flocculant being added in an amount effective to form floces of said fibers and said particles of coating residue; and









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(New) The paper web according to claim 62, wherein said treated slurry is 94. added in an amount ranging from 5% to 25% of said fibrous pulp slurry.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Harvey et al.

Application No. Unassigned

Art Unit: Unassigned

Examiner: Unassigned

Filed: January 4, 2002

For: A PAPER WEB W

A PAPER WEB WITH PRE-FLOCCULATED FILLER INCORPORATED THEREIN

#### PENDING CLAIMS AS AMENDED

14. A paper web prepared by a process comprising the steps of:
providing a pulp slurry, said slurry containing at least about 30% by dry pulp weight of a
low-grade pulp, said low-grade pulp being a pulp selected from the group consisting of a
groundwood pulp, a recycled pulp, and mixtures thereof;

adding a pre-flocculated filler to said slurry;

forming a paper web from said slurry; and

winding said web on a reel;

said pre-flocculated filler being added to said slurry in an amount effective to provide a filler content in said web, at least a portion of said filler in said web comprising said pre-flocculated filler.

15. The paper web according to claim 14, the process further comprising the steps of:

drying said web; and

drying said web; and cutting said web into sheets.

- 16. The paper web according to claim 15, the process further comprising the step of: printing on said web prior to cutting said web into sheets.
- 17. A newspaper prepared by a process comprising the steps of: providing a newsprint pulp slurry; adding a pre-flocculated filler to said slurry;

forming a paper web from said slurry, said pre-flocculated filler being added to said slurry in an amount effective to provide a filler content in said web, at least a portion of said filler in said web comprising said pre-flocculated filler;

collecting said web on a reel, and in either order:

printing on said web; and cutting said web into sheets.

- 18. The newspaper according to claim 17, wherein said web is cut into sheets after said step of printing on said web.
  - 32. A paper web prepared by a process comprising the steps of:

providing a pulp slurry, said slurry containing at least about 30% dry pulp weight of a low-grade pulp, said low-grade pulp being a pulp selected from the group consisting of a groundwood pulp, a recycled pulp, and mixtures thereof;

adding a pre-flocculated filler to said slurry to thereby form a slurry/filler mixture; introducing said slurry/filler mixture to the headbox of a paper-making machine; depositing said slurry on a web-former; and withdrawing a paper web from said headbox;

said pre-flocculated filler being added to said slurry in an amount effective to provide a filler content in said web, at least a portion of said filler in said web comprising said pre-flocculated filler.

33. The paper web according to claim 32, the process further comprising the steps of:

drying said web; and cutting said web into sheets.

- 34. The paper web according to claim 33, the process further comprising the step of: printing on said web prior to cutting said web into sheets.
- 41. A paper web prepared by a process comprising the steps of: providing a treated slurry of coated broke, said treated slurry having been prepared by a process comprising the steps of:

providing a repulped slurry of coated broke, said slurry containing fibers and particles of coating residue;

adding a chemical flocculant to said slurry in an amount effective to form floccs of said fibers and particles of coating residue; and

applying a shearing force to said slurry, said sheering force being sufficient to limit the size of said floces to a size that is effective to enhance the rentention of said floces in a paper web; and

withdrawing a paper web from said treated slurry.

48. A paper web prepared by a process comprising the steps of: providing a treated slurry of coated broke, said treated slurry having been prepared by a process comprising the steps of:

providing a repulped slurry of coated broke, said slurry containing fibers and particles of coating residue;

adding a chemical flocculant to said slurry in an amount effective to form floccs of said fibers and particles of coating residue; and

applying a shearing force to said slurry, said sheering force being sufficient to limit the size of said floces to a size that is effective to enhance the rentention of said floces in a paper web;

adding said treated slurry to a fibrous pulp slurry to form a combined slurry; and withdrawing a paper web from said combined slurry.

55. A paper web prepared by a process comprising the steps of: providing a treated slurry of coated broke, said treated slurry having been prepared by a process comprising the steps of:

continuously introducing a repulped slurry of coated broke and a chemical flocculant into a shear imparting device, said slurry containing fibers and particles of coating residue and said chemical flocculant being added in an amount effective to form floccs of said fibers and said particles of coating residue; and

continuously withdrawing from said shear imparting device a slurry containing said floccs, the shearing force imparted by said device being sufficient to limit the size of said floccs to a size that is effective to enhance the retention of said floccs in a paper web; and

withdrawing a paper web from said slurry.

62. A paper web prepared by a process comprising the steps of: providing a treated slurry, said treated slurry having been prepared by a process comprising the steps of:

continuously introducing a repulped slurry of coated broke and a chemical flocculant into a shear imparting device, said slurry containing fibers and particles of coating residue and said chemical flocculant being added in an amount effective to form floccs of said fibers and said particles of coating residue; and

continuously withdrawing from said shear imparting device a slurry containing said floccs, the shearing force imparted by said device being sufficient to limit the size of said floccs to a size that is effective to enhance the retention of said floccs in a paper web; and

adding said treated slurry to a fibrous pulp slurry to form a combined slurry; and withdrawing a paper web from said combined slurry.

- 63. The paper web according to claim 14, wherein said low-grade pulp is present in said slurry in an amount of at least about 40%.
- 64. The paper web according to claim 14, wherein said low-grade pulp is present in said slurry in an amount of at least about 50%.
- 65. The paper web according to claim 14, wherein said pre-flocculated filler is selected form the group consisting of clays, lithopone, sulfate fillers, titanium pigments, talc, calcium carbonate, and gypsum.
- 66. The paper web according to claim 65, wherein said pre-flocculated filler is flocculated with a flocculating agent selected from the group consisting of cationic starch derivatives and anionic starch derivatives.
- 67. The paper web according to claim 66, wherein said pre-flocculated filler is flocculated with a cationic starch paste.
- 68. The paper web according to claim 65, wherein said pre-flocculated filler is prepared by a process comprising the steps of:

continuously introducing an aqueous slurry of a non-flocculated paper filler material and an aqueous slurry of from 0.5 to 60% by weight of the filler material of a flocculating agent into a shear imparting device and imparting to the mixture within said device a shearing force sufficient to provide flocculated filler particles of a size adapted for use in paper making without any additional treatment and continuously removing said flocculated filler particles from the shear imparting device.

- 69. The paper web according to claim 14, wherein said pulp includes groundwood pulp.
- 70. The paper web according to claim 14, wherein said pre-flocculated filler is added to said slurry in an amount effective to provide a total filler content in said web of at least about 5% by weight.
- 71. The paper web according to claim 14, wherein said pre-flocculated filler is added to said slurry in an amount effective to provide a total filler content in said web of at least about 7.5% by weight.
- 72. The paper web according to claim 14, wherein all of the filler incorporated into said web is present as a result of said addition of said pre-flocculated filler to said slurry.
- 73. The paper web according to claim 14, wherein the amount of flocculating agent in said filler ranges from about 0.5% to about 4% dry flocculant by dry weight of said filler.
- 74. The paper web according to claim 32, wherein said low-grade pulp is present in said slurry in an amount of at least about 40%.
- 75. The paper web according to claim 32, wherein said low-grade pulp is present in said slurry in an amount of at least about 50%.
- 76. The paper web according to claim 32, wherein said pre-flocculated filler is selected form the group consisting of clays, lithopone, sulfate fillers, titanium pigments, talc, calcium carbonate, and gypsum.
- 77. The paper web according to claim 76, wherein said pre-flocculated filler is flocculated with a flocculating agent selected from the group consisting of cationic starch derivatives and anionic starch derivatives.
- 78. The paper web according to claim 77, wherein said pre-flocculated filler is flocculated with a cationic starch paste.

79. The paper web according to claim 76, wherein said pre-flocculated filler is prepared by a process comprising the steps of:

continuously introducing an aqueous slurry of a non-flocculated paper filler material and an aqueous slurry of from 0.5 to 60% by weight of the filler material of a flocculating agent into a shear imparting device and imparting to the mixture within said device a shearing force sufficient to provide flocculated filler particles of a size adapted for use in paper making without any additional treatment and continuously removing said flocculated filler particles from the shear imparting device.

- 80. The paper web according to claim 32, wherein said pulp includes groundwood pulp.
- 81. The paper web according to claim 32, wherein said pre-flocculated filler is added to said slurry in an amount effective to provide a total filler content in said web of at least about 5% by weight.
- 82. The paper web according to claim 32, wherein said pre-flocculated filler is added to said slurry in an amount effective to provide a total filler content in said web of at least about 7.5% by weight.
- 83. The paper web according to claim 32, wherein all of the filler incorporated into said web is present as a result of said addition of said pre-flocculated filler to said slurry.
- 84. The paper web according to claim 32, wherein the amount of flocculating agent in said filler ranges from about 0.5% to about 4% dry flocculant by dry weight of said filler.
- 85. The paper web according to claim 48, wherein said shearing force ranges from about 2800 to about  $9200 \text{ s}^{-1}$ .
- 86. The paper web according to claim 48, wherein said flocculant is selected from the group consisting of water soluble vinyl polymers, gums, polyacryamide, polyDADMAC, aluminum sulfate, mannogalactanes, and charged starch derivatives.
- 87. The paper web according to claim 48, wherein said chemical flocculant is added in an amount ranging from about 0.05% to about 60% by weight of broke material in said slurry.

In re Harvey et al. Attorney Docket No. 214385

- 88. The paper web according to claim 48, wherein said chemical flocculant is added in an amount ranging from about 5% to about 15% by weight of broke material in said slurry.
- 89. The paper web according to claim 48, wherein said treated slurry is added in an amount ranging from 5% to 25% of said fibrous pulp slurry.
- 90. The paper web according to claim 62, wherein said shearing force ranges from about 2800 to about  $9200 \text{ s}^{-1}$ .
- 91. The paper web according to claim 62, wherein said flocculant is selected from the group consisting of water soluble vinyl polymers, gums, polyacryamide, polyDADMAC, aluminum sulfate, mannogalactanes, and charged starch derivatives.
- 92. The paper web according to claim 62, wherein said chemical flocculant is added in an amount ranging from about 0.05% to about 60% by weight of broke material in said slurry.
- 93. The paper web according to claim 62, wherein said chemical flocculant is added in an amount ranging from about 5% to about 15% by weight of broke material in said slurry.
- 94. The paper web according to claim 62, wherein said treated slurry is added in an amount ranging from 5% to 25% of said fibrous pulp slurry.

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